

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1320108

Luminaire Tested: LDSQA3D13R309840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

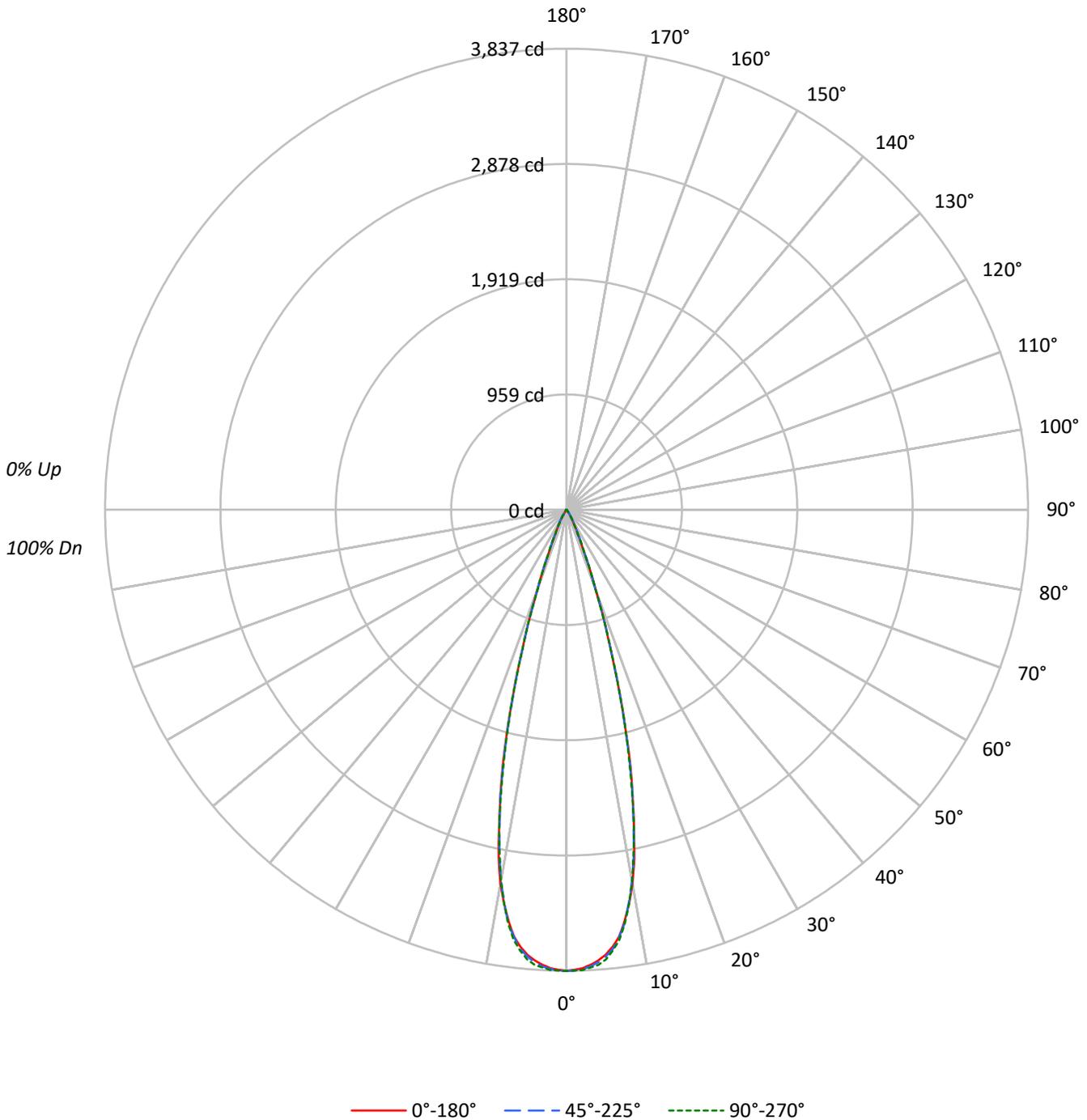
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 998.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	660870	660870	660870
5°	642770	645553	649547
10°	552707	548002	548544
15°	339622	336876	337144
20°	129246	129539	127138
25°	41103	43307	41255
30°	16546	20523	17003
35°	5340	9062	5340
40°	2428	3979	2428
45°	926	1681	926
50°	402	831	402
55°	450	450	450
60°	517	517	517
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1681 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.5	33.9
10°-20°	502.1	50.3
20°-30°	124.8	12.5
30°-40°	24.9	2.5
40°-50°	4.5	0.5
50°-60°	1.4	0.1
60°-70°	1.0	0.1
70°-80°	0.7	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	965.4	96.7
0°-40°	990.3	99.2
0°-60°	996.2	99.8
0°-90°	998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	998.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3837	3837	3837	3837	3837	
5°	3718	3730	3734	3740	3757	338
15°	1905	1909	1889	1896	1891	504
25°	216	221	228	225	217	121
35°	25	33	43	32	25	21
45°	4	5	7	5	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3837.3	3837.3	3837.3	3837.3	3837.3
1°	3828.8	3833.4	3836.5	3836.5	3836.5
2°	3818.0	3821.1	3825.7	3826.5	3832.7
3°	3792.6	3799.6	3807.3	3811.9	3815.0
4°	3761.8	3771.1	3775.7	3787.3	3797.3
5°	3718.0	3730.3	3734.1	3739.5	3757.2
6°	3658.7	3667.9	3675.6	3677.9	3688.7
7°	3580.1	3584.8	3583.2	3587.1	3606.3
8°	3460.8	3462.3	3475.4	3467.0	3480.1
9°	3319.1	3313.0	3309.9	3316.1	3316.8
10°	3160.5	3139.7	3133.6	3128.2	3136.7
11°	2955.0	2928.0	2930.3	2928.8	2916.5
12°	2699.3	2696.3	2676.3	2680.1	2698.6
13°	2438.3	2443.7	2439.9	2444.5	2423.7
14°	2193.5	2167.3	2174.3	2148.1	2158.1
15°	1904.8	1908.6	1889.4	1895.6	1890.9
17.5°	1219.6	1228.0	1221.9	1216.5	1224.9
20°	705.2	704.5	706.8	699.9	693.7
22.5°	371.1	376.5	383.4	384.2	388.8
25°	216.3	221.0	227.9	224.8	217.1
27.5°	132.4	140.9	151.7	144.0	134.7
30°	83.2	90.1	103.2	90.9	85.5
32.5°	47.0	57.0	67.8	57.0	47.0
35°	25.4	33.1	43.1	32.3	25.4
37.5°	16.9	19.2	28.5	19.2	16.9
40°	10.8	13.1	17.7	13.1	10.8
42.5°	6.2	8.5	10.0	8.5	6.2
45°	3.8	4.6	6.9	5.4	3.8
47.5°	1.5	2.3	4.6	2.3	2.3
50°	1.5	1.5	3.1	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)